Homework 3

Christophe Hunt February 18, 2017

Problem: Page 113: 2

The following table gives the elongation e in inches (in./in.) for a given stress S on a steel wire measured in pounds per square inch (lb/in.²). Test the models $e = c_1 S$ by plotting the data. Estimate c_1 graphically.

Problem: Page 121: 2.a

For each of the following data sets, formulate the mathematical model that minimizes the largest deviation between the data and the line y=ax+b. If a compute is availae solve for the estiamtes of a and b.

Problem: Page 127: 10

Problem: Page 136: 7

Problem : Page 146: 5

Problem: Page 157: 4

Problem: Page 169: 11

Problem: Page 181: 5